

Project Information

100

102

101

Project Name: Insert Data Here
ID#: Insert Data Here
Buyer: Insert Data Here
Intended Cycle: Insert Data Here
LD Type: Insert Data Here

Bid Price of GE's Scope (000's): Insert Data Here
Estimated EPC Price (000's): Insert Data Here
Contribution Margin for GE's Scope (%): Insert Data Here

Power Plant Technology: Insert Data Here
Project Technology Configuration: Insert Data Here
Number of Units per Block: Insert Data Here
Number of Project Blocks: Insert Data Here

Country: Insert Data Here
State/Province: Insert Data Here
Country IZ: Insert Data Here
GE Site Scope: Insert Data Here
GE Equipment Scope: Insert Data Here

Project Viability: Insert Data Here
GE Competitive Rating: Insert Data Here
Finance Structure: Insert Data Here

Fuel Structure: Insert Data Here
Primary Fuel: Insert Data Here
Secondary Fuel: Insert Data Here

Fig. 1

Project Details

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GEPS Risk Management

Project Information | Project Details | LD Rates | Schedule/Delay | Finance | EHS | Noise | Help

Select the type of "R" review (check all that apply)

☐ R-2 To Bid This Project

☐ Interim R-3 To Sign An MOU/LQ/TPA

☐ Interim R-3 For Engineering Release

☐ Interim R-3 For Manufacturing Release

☐ Interim R-3 To Receive Funds

☐ Final R-3 Based On Fully Negotiated Contract

☐ Interim R-3 For []

Buyer Finance Structure: [XXXXXXXXXXXXXXXXXXXX]

Events That Trigger Delay LD's: [XXXXXXXXXXXXXXXXXXXX]

GE Scope In Consortium: [XXXXXXXXXXXXXXXXXXXX]

Gas Turbine

Combined Cycle Configuration: [XXXXXXXXXXXXXXXXXXXX]

Cogeneration Configuration: [XXXXXXXXXXXXXXXXXXXX]

Number Of Project Blocks: [XXXXXXXXXXXXXXXXXXXX]

Gas Turbine Model: [XXXXXXXXXXXXXXXXXXXX]

GT Generator Model: [XXXXXXXXXXXXXXXXXXXX]

GT Generator Quantity: [XXXXXXXXXXXXXXXXXXXX]

Number of GT Units

Block 1: [XXXXXXXXXXXX]

Block 2: [XXXXXXXXXXXX]

Block 3: [XXXXXXXXXXXX]

Block 4: [XXXXXXXXXXXX]

Block 5: [XXXXXXXXXXXX]

Block 6: [XXXXXXXXXXXX]

Steam Turbine / Boiler

Steam Turbine Model: [XXXXXXXXXXXXXXXXXXXX]

Steam Turbine Quantity: [XXXXXXXXXXXXXXXXXXXX]

ST LSB: [XXXXXXXXXXXX] (MIN)

ST Megawatt: [XXXXXXXXXXXX]

ST Generator Model: [XXXXXXXXXXXXXXXXXXXX]

Boiler/HRSG Type: [XXXXXXXXXXXXXXXXXXXX]

Boiler/HRSG Quantity: [XXXXXXXXXXXXXXXXXXXX]

BFRT Quantity (if any): [XXXXXXXXXXXXXXXXXXXX]

BFRT Capacity (if known): [XXXXXXXXXXXXXXXXXXXX]

Other Equipment / Services That GE Will Supply In This Contract (check all that apply)

☐ Interconnection Yard

☐ Power Island BOP Only

☐ IGCC Gasifier

☐ Transformer

☐ Pipeline

☐ CSA

☐ Glegg Scope

☐ CMU

☐ Other

Is There A CC STG Capture Strategy? ☐ Yes ☐ No

Is There A CC Performance Wrap? (CC Liquefaction Package Data Only) ☐ Yes ☐ No

Will GE Provide An Installation, Commissioning Or Turnkey Proposal Later? ☐ Yes ☐ No

Expenditure Strategy Below

[XXXXXXXXXXXXXXXXXXXX]

[XXXXXXXXXXXXXXXXXXXX]

Fig. 2

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Noise 1

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GEPS Risk Management

[Project Information](#) | [Project Details](#) | [LB Rates](#) | [Schedule/Delay](#) | [Finance](#) | [EHS](#) | [Noise](#) | [Help](#)

General Information

Does The Selected Project Require A Noise Guarantee From GE Or Its Consortium Partner?

Select One Of The Following To Complete This Noise Risk Module

☐ The Customer Has Stated It Will Not Require A Noise Guarantee

☐ The Customer Has Issued A Detailed Technical Specification Which Does Not Refer To A Noise Guarantee

☐ The Customer Has Not Issued A Technical Specification And Has Not Stated That They Want A Noise Guarantee

☐ The Technical Materials Issued By The Customer Do Not Refer To A Noise Guarantee And The Customer Has Not Stated They Want A Noise Guarantee

Select The Type Of Noise Guarantee(s) That Applies:
(Note: Select Both If GE Or Its Consortium Partner Is Offering A Far Field Guarantee)

☐ Near Field ☐ Far Field

Select The Location Of The Equipment Being Supplied By GE:

Gas Turbine	<input type="radio"/> Indoors	<input type="radio"/> Outdoors
Steam Turbine	<input type="radio"/> Indoors	<input type="radio"/> Outdoors
HRSG	<input type="radio"/> Indoors	<input type="radio"/> Outdoors

Options For GEPE Built Units (Including GE, GFA, GE)

Does GE's Offer Include A Low Noise Package (60 dBA)?

Does GE's Offer Include A Second Silencer?

☐ Yes ☐ No

☐ Yes ☐ No

Near Field Guarantee

Define The Near Field Guaranteed dBA Level.

Where There Is A Near Field Guarantee With An Indoor Turbine & Generator, Who Is Providing The Building?

☐ GE/Sub ☐ Others ☐ N/A

dBA @ 3m / 1m

[Continue >>](#)

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304

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Fig. 3

Far Field Guarantee		Project	
<p>Select The Sound Pressure Level Requested By The Customer:</p> <p>Does GE's Or Its Sub-Contractors Scope Of Supply Include An Exhaust Stack, Evaporative Cooling Tower, Air Cooled Condenser, Or HRSG?</p> <p>Do The Proposal / Contract Guarantees Reference A Plot Plan Dwg. Number, Date & Revision?</p> <p>Does This Proposal / Contract Include More Than Turbine Generators, MSD, And T&Es?</p>		<p>_____ dBA</p> <p><input type="checkbox"/> Unknown <input type="checkbox"/> No <input type="checkbox"/> (m)</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>Partner Status</p> <p>Who Is Responsible For The Far Field Noise Guarantee?</p> <p>Has The Partner's Noise Control Capability Been Evaluated?</p> <p>Does The Consortium Partner's Noise Control Capability Meet GE Standards?</p>			
<p>Select Any Of The Following Types Of Guarantees Requested By The Customer:</p> <p><input type="checkbox"/> Guarantees Based On Start-Up And/Or Transient Noise And NOT On Base/Peak Load Operation</p> <p><input type="checkbox"/> Guarantees Based On Maximum Sound Pressure Levels And NOT Average Sound Pressure Levels</p> <p><input type="checkbox"/> Guarantees Based On Octave Band Sound Pressure Levels OR ISO/R Noise Curves And NOT Single dBA Value</p> <p><input type="checkbox"/> Guarantees Based On Individual Equipment Or Components (eg Inlet, Exhaust)</p>			
<p>Special Customer Requirements</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>			
<p><< Previous</p>		<p>Continue >></p>	

Fig. 4

Noise 3

500

Project Information

Project Details

LD Rates

Schedule/Delay

Finance

EHS

Noise

Help

GEPS Risk Management

Noise Risk Assessment

GE's Partner Is Responsible For The Far Field Guarantee.

GE Is Responsible For The Near Field Noise Contribution Of Its Scope To The Far Field Guarantee.

HIGH Risk Drivers:

Guarantee Is Based On Maximum Sound Pressure Levels And NOT On Average Sound Pressure Levels (NR#1).

Guarantee Is Based On Octave Band Sound Pressure Levels Or Noise Curves And NOT On A Single dBA Value (NR#2)

Guarantee Is Based On Start-Up And/Or Transient Noise And NOT On Base/Peak Load Operation (NR#3)

Guarantees Are Based On Individual Equipment Or Components (e.g. Inlet, Exhaust) (NR#4)

Near Field Noise Guarantee Is Less Than 85 dBA At 3 Feet Or 1 Meter (NR#5)

Near Field Noise Guarantee Is For Indoor Units Where The Building Is Not In GE's Scope (NR#6)

The Far Field Guarantees Do Not Reference A Plot Plan Dwg. Number, Date and Revision (NR#10)

Exhaust Stack, Cooling Tower, Air Cooled Condenser Or HSRG Is In GE Or Its Sub-Contractors Scope (NR#11)

Far Field Guarantee Is Required For All Equipment Only Proposal (NR#12)

Partner's Acoustic Design Capability Does Not Meet GE's Standards (NR#14)

Noise Inputs

View Mitigations

Project

501

502

503

Fig. 5

Project:

- Immediately Consult a Noise Control Engineer for Assistance
Add Additional Noise Attenuation in the Inlet or Exhaust Systems or Other Equipment as Required**

Have Regas Scope And ECR Comments Been Updated To Reflect The Guarantees Levels, And These Mitigation Strategies?	Yes	No	With Mitigations In Place, Is It Expected That The Noise Guarantees Will Be Achieved?	Yes	No
Does The Output And Heat Rate Performance Guarantees Reflect The Actual Inlet & Exhaust Noise Attenuation Pressure Drops?	Yes	No	Will GEPS Have An Availability Guarantee On This Project?	Yes	No
Are The Mitigation Costs Included In The Profitability Summary?					

Schizanthus litoralis

Voicemail Response

Noise Engineering Agrees With The Mitigation Strategies Used On This Project (11/1/2012)

Subjects

Fig. 6

nkspassportpanel.bqp

File Edit View Insert Format Report Layout Window Help

1 2 3 4 5 6 7 8

Draft Noise Risk Report

ID: 91660
Project Name:

MW Country:
MW State:

GE Is Not Bidding With A Partner On This Project

This Project Has A HIGH Risk Level Based On The Drivers Listed Below:

High Risk Drivers:

- Exhaust Stack, Cooling Tower, Air Cooled Condenser Or HRSG Is In GE Or Its Sub-Contractors Scope. (NR# 11)
- Guarantee Conditions Which Are Within GEPS Quoting Limits:
- Near Field Noise Guarantee On GE Equipment Is At Least 85 dBA At 3 Feet Or 1 Meter Or Greater.
- Far Field Noise Guarantee Is Required At An Equivalent Of 58 dBA Or Greater At 400 Feet Or 122 Meters For An Outdoor Facility.

Mitigation Strategies Upon Which The Proposal Is Based:

- * Conditioned Guarantee Upon Standard Background Noise Conditions (NR# 1 - 14)

John Doe From Noise Control Has Been Consulted And Agrees With The Mitigation Strategies Taken.

With Mitigations In Place, It Is Expected That The Noise Guarantee Will Be Achieved.

Pegasus Scope And ECIT Comments Have Been Updated To Reflect The Implementation Of The Foregoing Risk Mitigation Strategies.

The Output And Heat Rate Performance Guarantee Reflects The Actual Inlet & Exhaust Noise Attenuation Pressure Drops

The Mitigation Costs Are Included In The Profitability Summary.

Warning: Far Field Noise Guarantee May Change If Plot Plan Drawing Is Revised.

Fig. 7

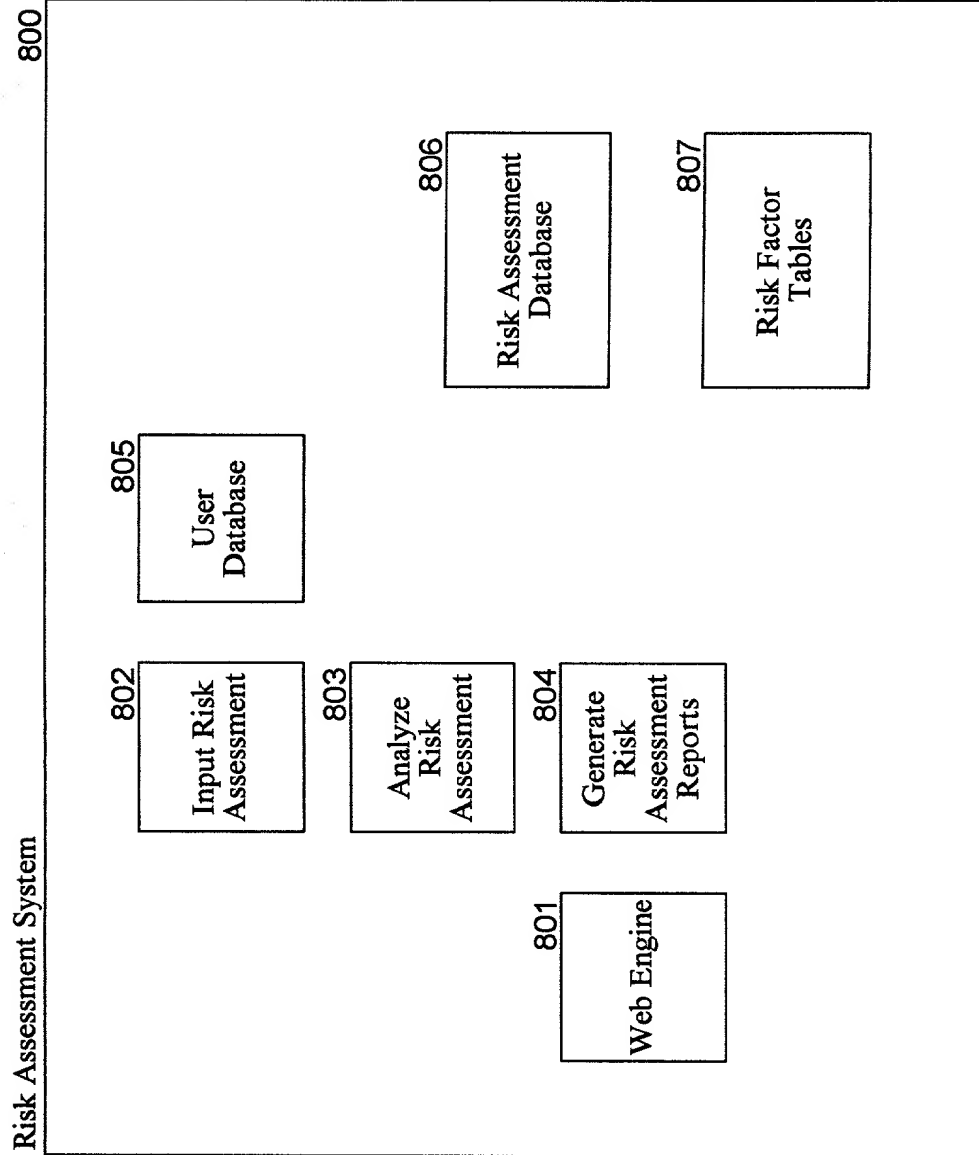
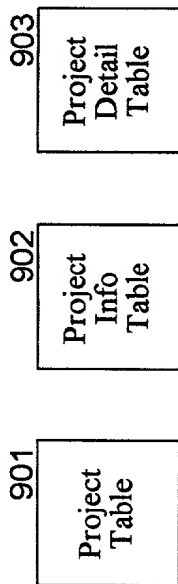


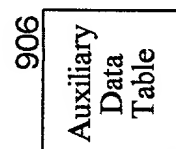
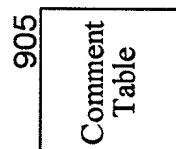
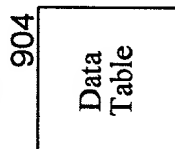
Fig. 8

900

Risk Assessment Database



Risk Type 1 2 ...



Also may
have Risk
Results Table

Fig. 9

Risk Factor Tables 1000

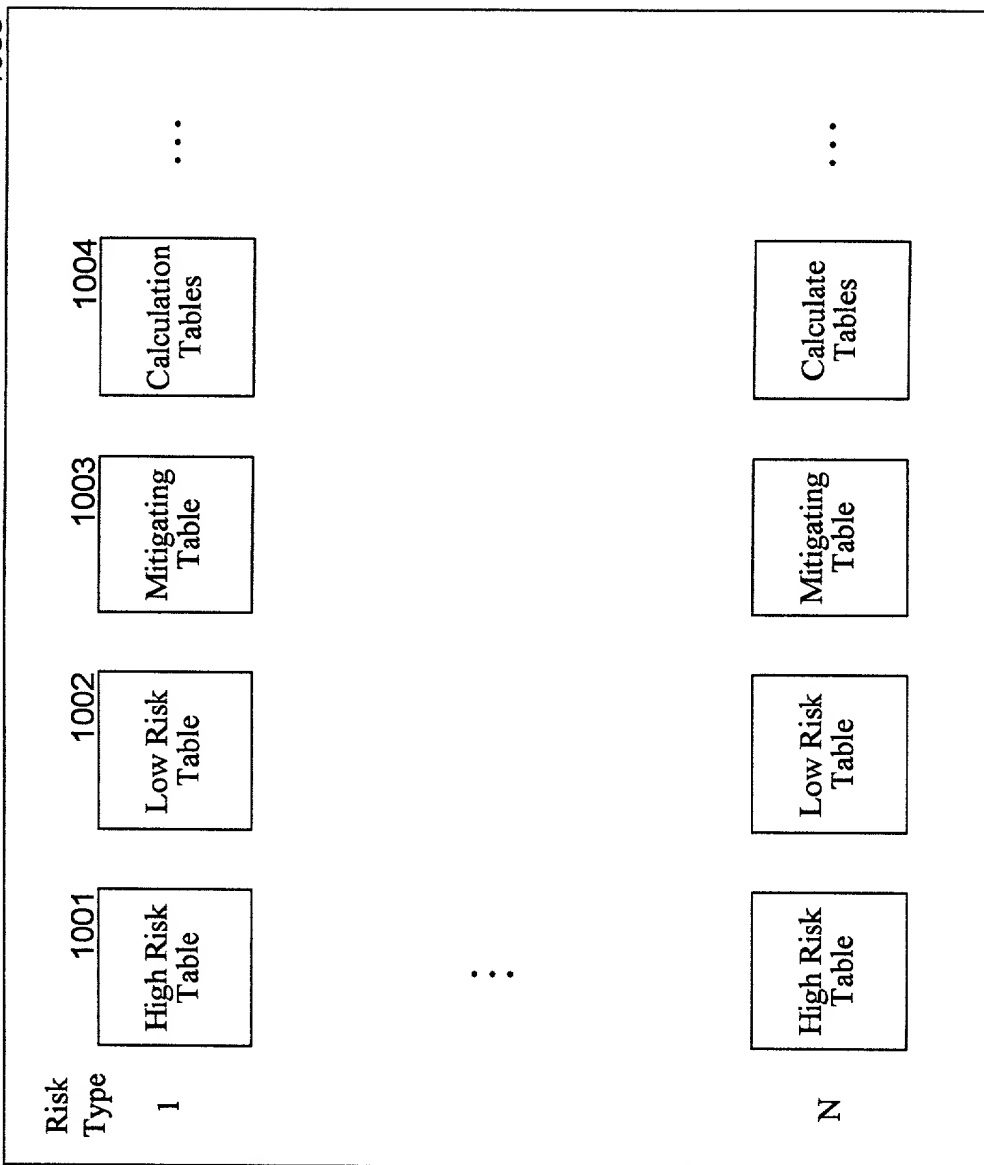


Fig. 10

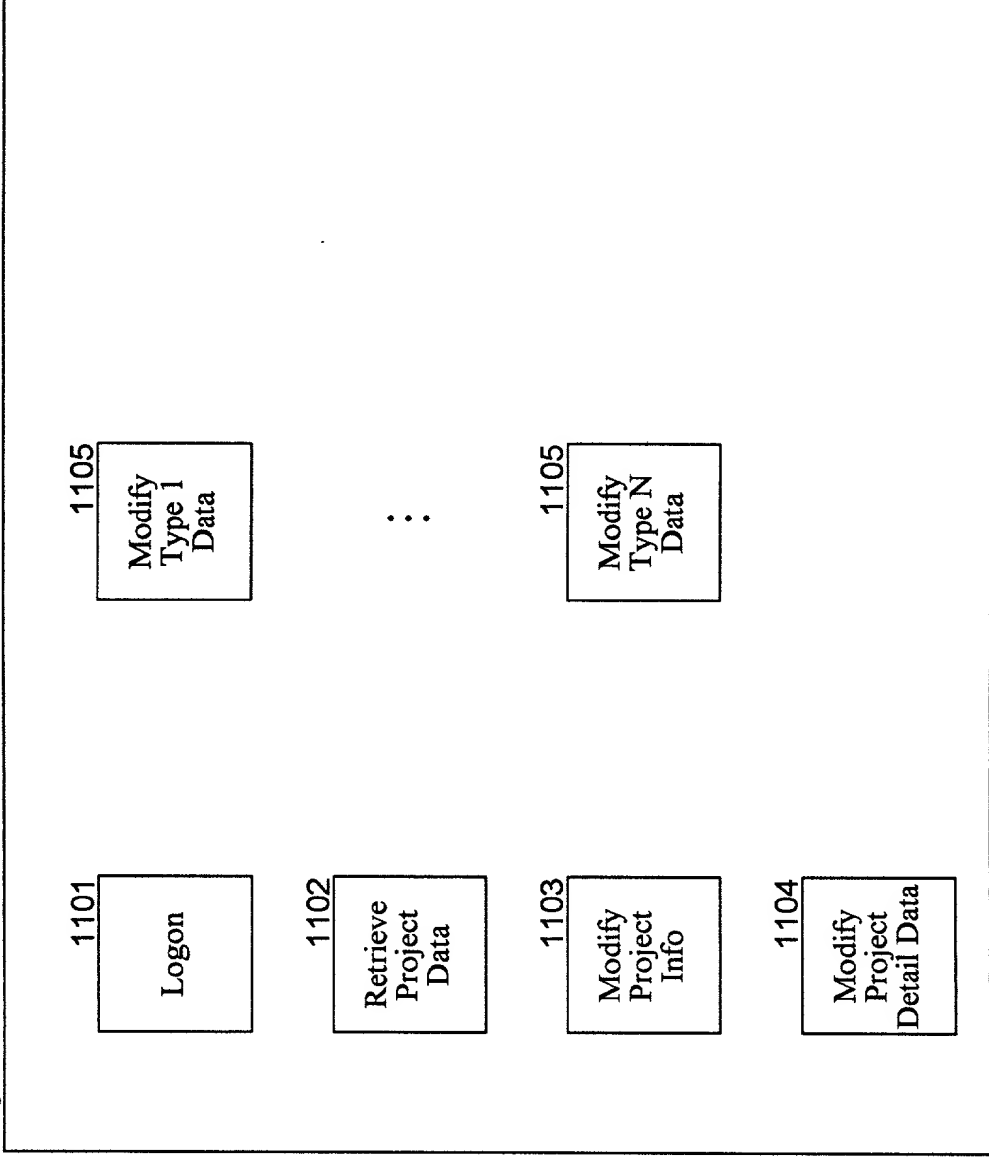


Fig. 11

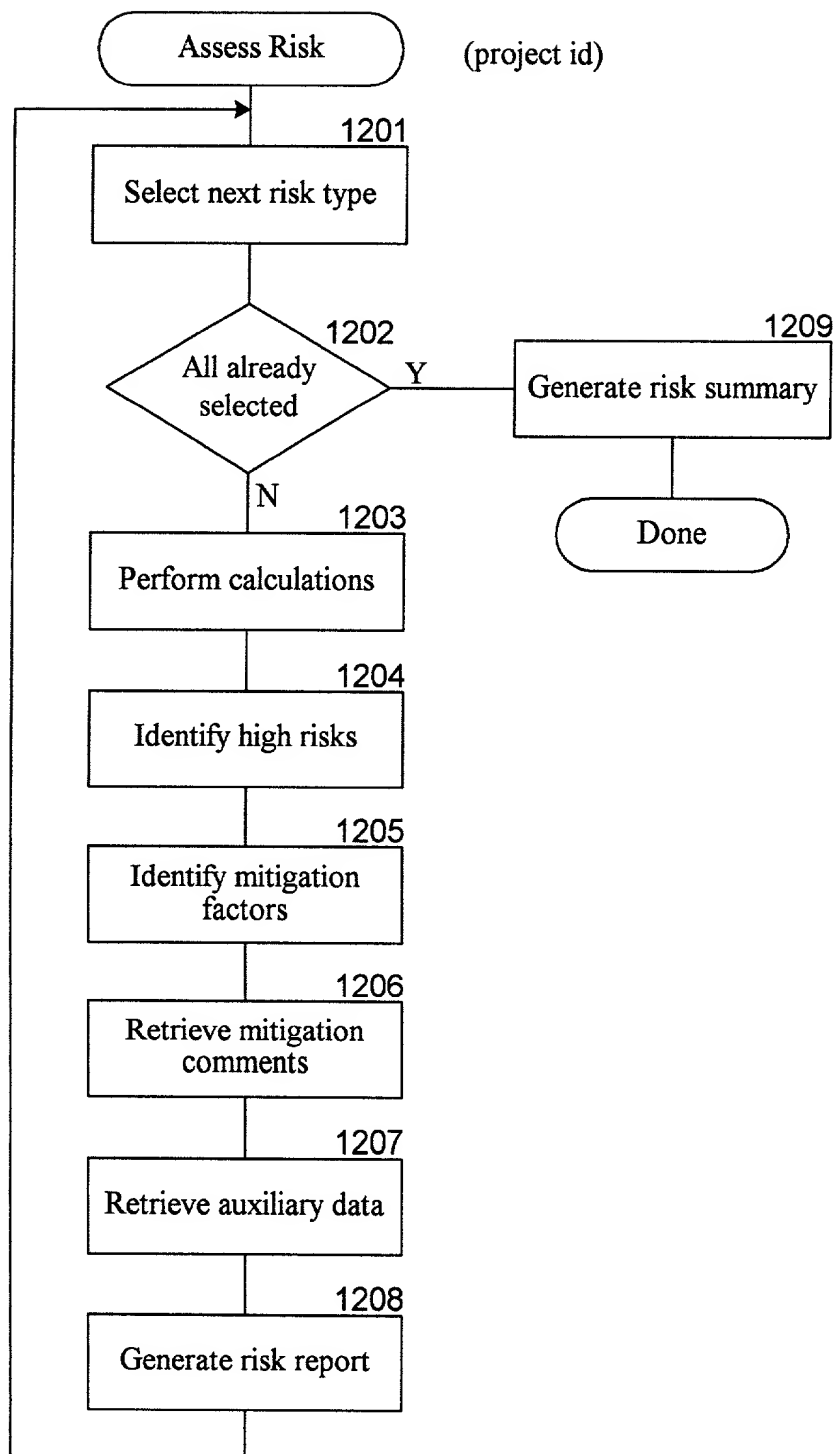


Fig. 12

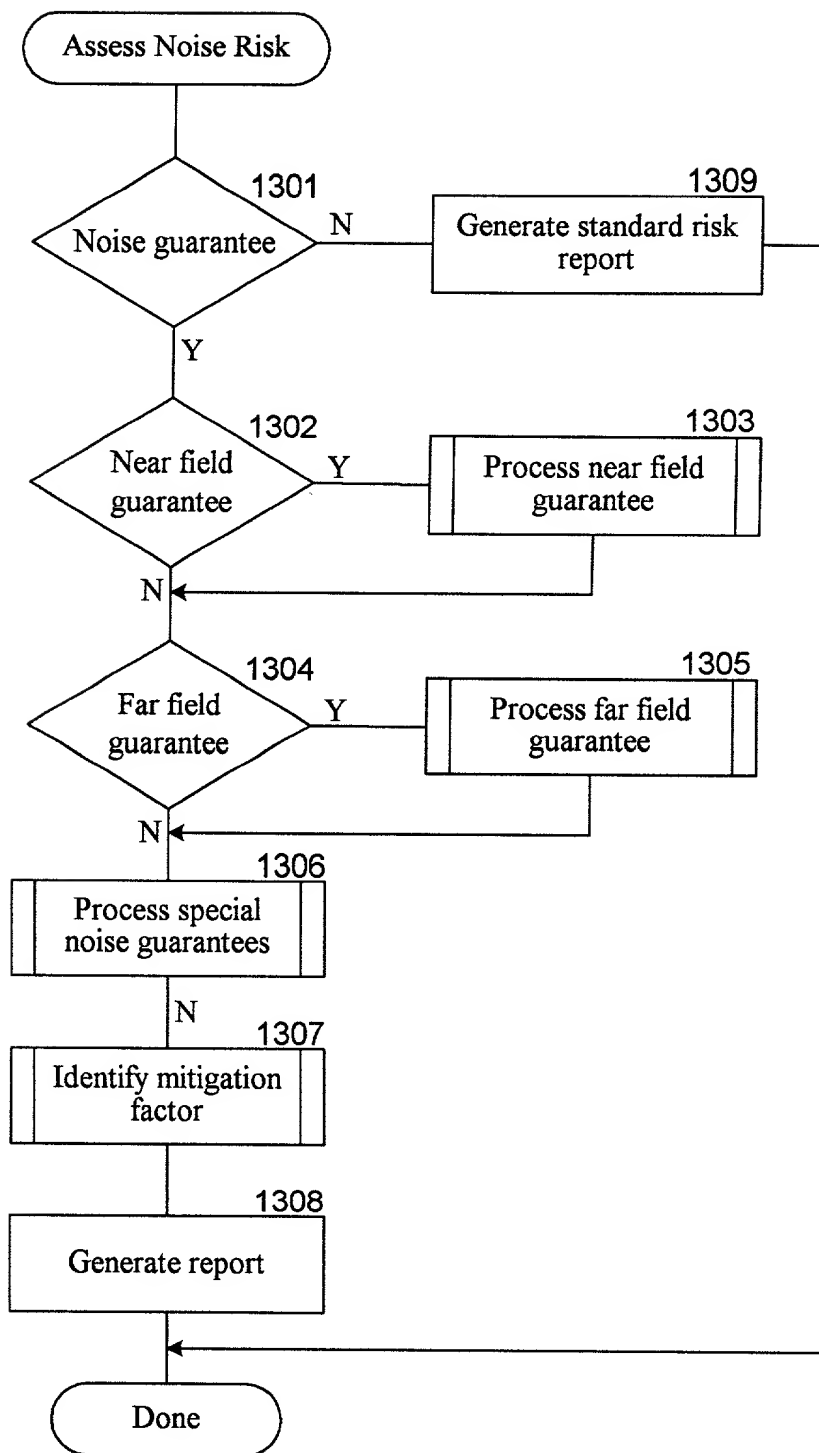


Fig. 13

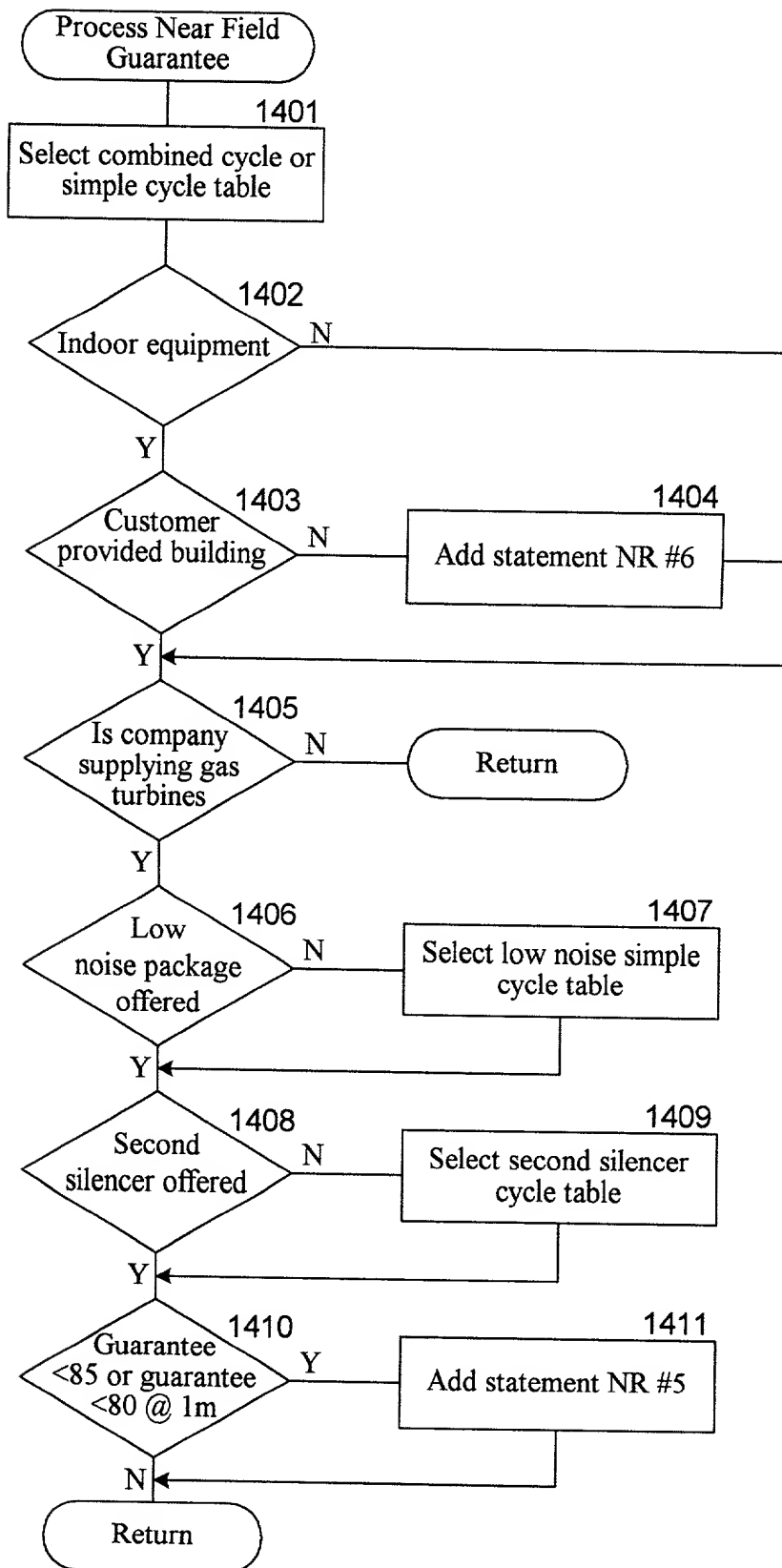


Fig. 14

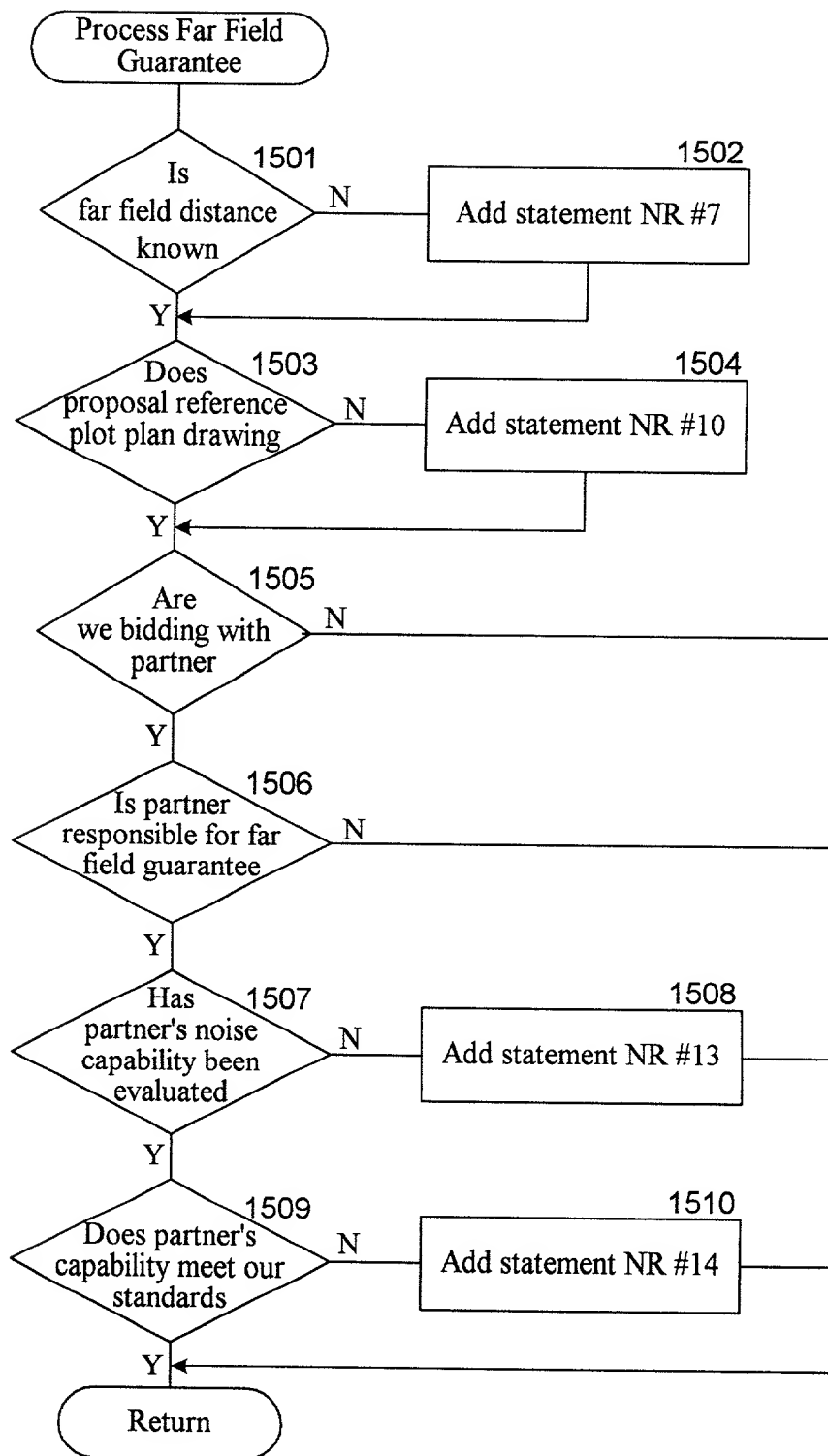


Fig. 15

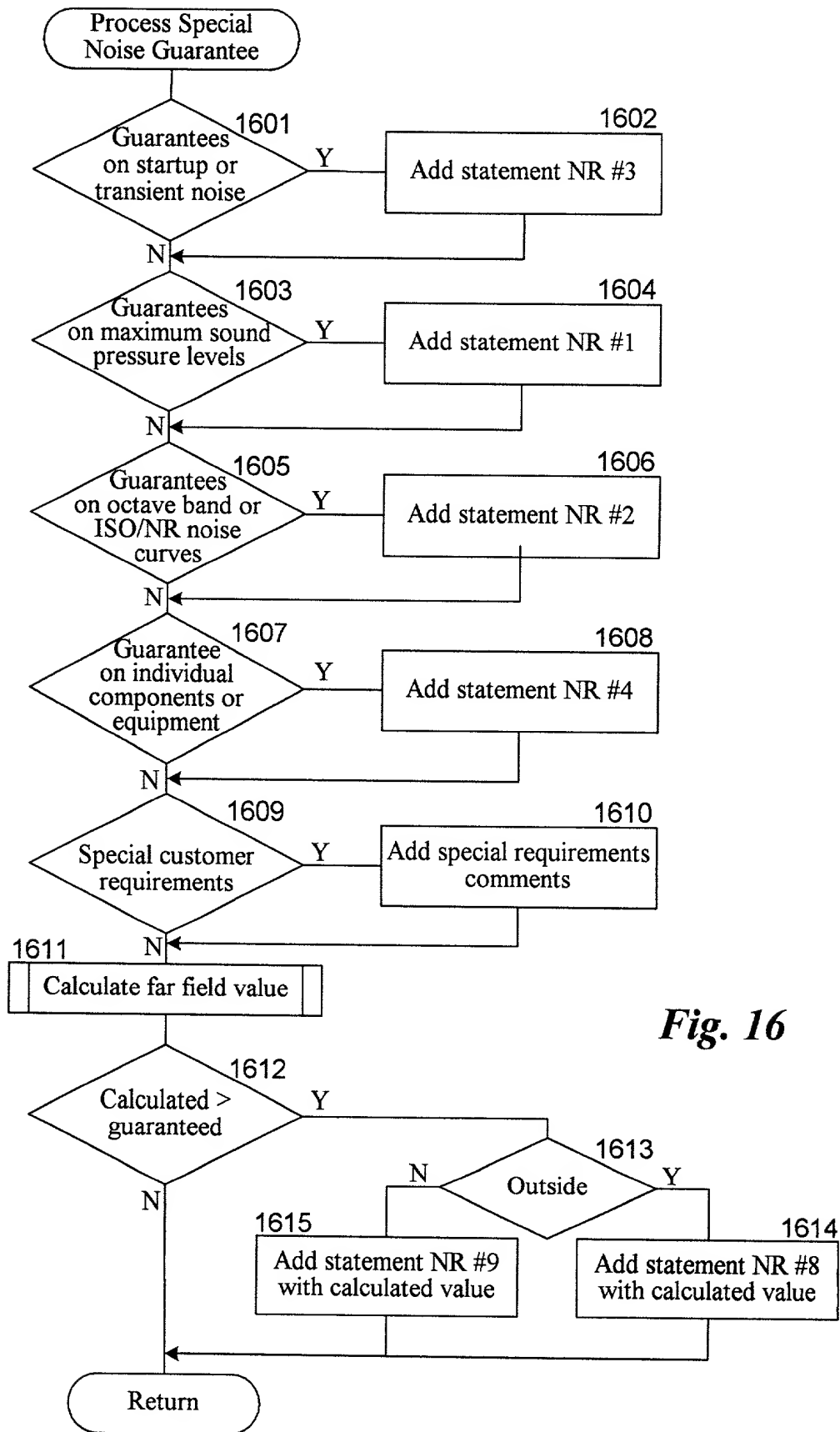


Fig. 16

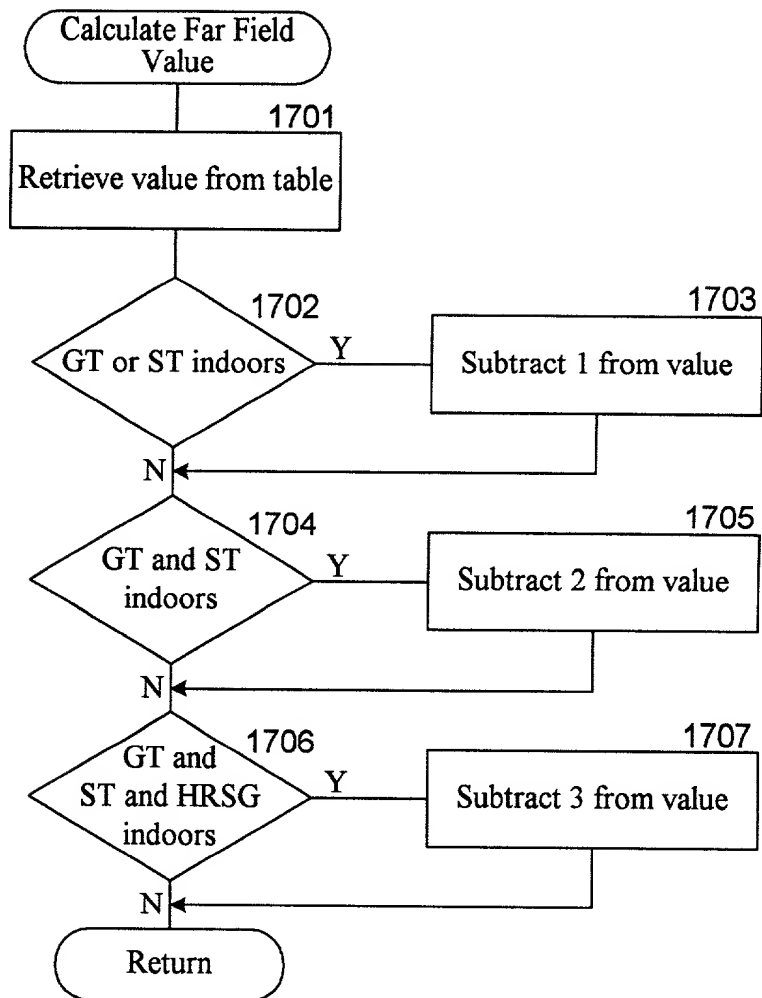


Fig. 17

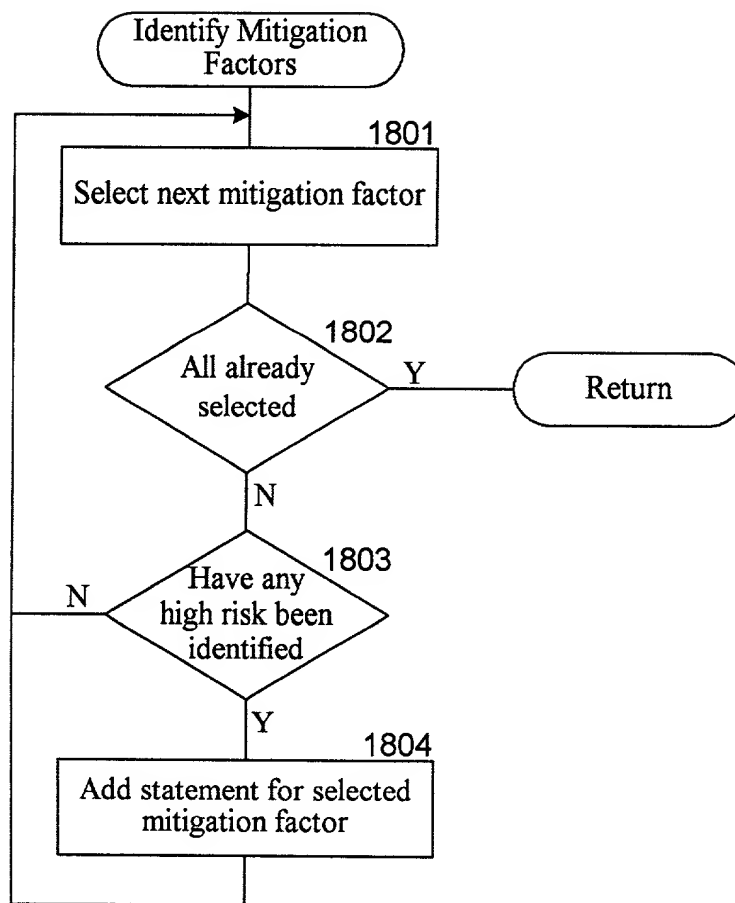


Fig. 18